

**IN THE ABSTRACT:**

Replace the Abstract the new abstract set out in the attachment hereto.

## **ABSTRACT**

A method and apparatus for digitizing a data ~~signal. signal, the method comprising the steps of~~ receiving an An input analog data signal, ~~is received and split~~ splitting the received input analog data signal into a plurality of split ~~signals. signals, and mixing at~~ At least one of the split signals is mixed with a predetermined periodic function with a predetermined frequency. The split signals are then digitized and combined mathematically to form a single output data stream that is a substantially correct representation of the original input signal.